

SURFACE
DATA SOURCE

Refer to Appendix I for point by point
subsurface data source ,

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SURFACE
DATA RELIABILITY

Refer to Appendix I for point by point
subsurface data reliability

M

M-MEDIUM, Detailed mapping prior to
modern topographic base map.

EXPLANATION

- Location of drain
- Gas Well
- Oil Well
- Oil & Gas Well
- Abandoned Oil Well
- Abandoned Gas Well
- (SS) Well Symbols
- TD 10528

WELL LOGS - Showing well data in feet. Letters designate either the coal bed name as listed below, or the top of the Harshorne sandstone formation reference datum. * Indicates the suite of logs was insufficient to verify coal occurrence. Index number refers to hole on Plate 3 of CRO map. Index number not assigned to wells for which logs of the first 3000 foot (914.4m) interval were not available or logged interval began below the base of the Harshorne sandstone. Refer to Appendix II for additional information concerning wells not indexed.

COAL TEST HOLE - Showing drill-hole data in feet. Letters designate name of coal bed as listed below. Index number refers to hole on Plate 3 of CRO map.

COMPOSITE MINE SECTION - Abandoned mine, showing rock interval and thickness of coal in feet. Letters and numbers designate name of coal bed as listed below. Index number refers to section on Plate 3 of CRO map.

LINE OF MEASURED SECTION - Showing coal and rock thickness, in feet. Letters and numbers designate name of coal bed as listed below. Index number refers to section on Plate 3 of CRO map.

Dashed index symbols indicate location of record elsewhere

- GL - Ground level elevation
- R - Rock interval
- C - Coal interval (measured)
- CE - Gross Coal interval (estimated from well log)
- M - Mixed Coal & Rock
- B - Bone Coal
- NR - No record of lithology, thickness estimated
- TD - Total depth

NOTE: Thickness reported to tenths of feet only when resolution of data permitted

DRILL HOLE, MEASURED SECTION, AND COMPOSITE MEASURED SECTION DATA SYMBOLS

L Local (unnamed) coal bed

SE Sencor Coal

UM Upper McAlester Coal

LM Lower McAlester (Slip) Coal

UH Upper Harshorne Coal

LH Lower Harshorne Coal

H Harshorne Coal

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP - Showing thickness of coal in feet measured at triangle. Letters designate name of coal bed as listed above. Arrow points toward the coal bearing area. Index number refers to section on Plate 3 of CRO map. Dashed line indicates inferred outcrop. Contacts have been adjusted to reflect topography.

ANTICLINE

SYNCLINE

Strike and dip: $\perp$ 2e°; Vertical $\perp$ 80°; Horizontal $\perp$ 78°

FAULT - Dashed where approximately located. Thrust faults have sawtooth on upthrown or overthrust side. Normal faults have bar and ball on downthrown side. Strike-slip faults have arrows showing relative horizontal movement.

Coal mine active

Coal mine, inactive or abandoned

Slope entry, inactive or abandoned

Prospect pit

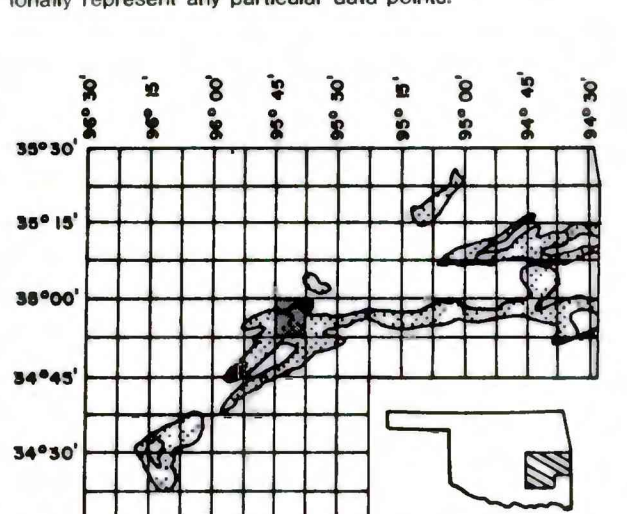
Subsurface coal mine showing name of mine and beds removed. Letters designate names of coal beds as listed above. Boundary is approximately located.

Surface coal mine showing name of beds removed. Letters designate names of coal beds as listed above. Boundary is approximately located.

COAL MINE SYMBOLS

To convert feet to meters, multiply feet by 0.3048.

NOTE: The explanation has been compiled to depict all possible combinations of data and does not intentionally represent any particular data points.



MAP SHOWING LOCATION OF THE 7.5 MINUTE QUADRANGLE (DENSELY STIPPLED) AND THE FEDERAL COAL LANDS (LIGHTLY STIPPLED) IN SOUTHEASTERN OKLAHOMA.

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COMPILED IN 1980

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PLATE 1

SHEET 1 OF 1

COAL DATA MAP

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE KREBS 7.5-MINUTE QUADRANGLE, PITTSBURG COUNTY, OKLAHOMA

BY GEOLOGICAL SERVICES OF TULSA, INC., B. T. BRADY, USGS, AND J. L. QUERRY, BLM

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